

; ORGANISM: homo sapien
US-10-077-137-7

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60
Db 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60

Qy 61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120
61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120

Db 121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180
121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180

Qy 181 ISAR 184
181 ISAR 184

RESULT 5
US-10-068-725-2

Sequence 2, Application US/10068725
; Publication No. US20030012783A1
; GENERAL INFORMATION:
; APPLICANT: Kindsvogel, Wayne
; TITLE OF INVENTION: Antibodies That Bind Both BCMA and TAC1
; FILE REFERENCE: 01-04
; CURRENT APPLICATION NUMBER: US/10/068,725
; PRIOR APPLICATION NUMBER: 60/270,274
; PRIOR FILING DATE: 2002-02-05
; PRIORITY NUMBER: 60/283,447
; PRIOR FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 5

SEQ ID NO 2
; LENGTH: 184
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-068-725-2

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180
121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180

Db 61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120
61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120

Qy 181 ISAR 184
181 ISAR 184

RESULT 6
US-10-151-882-47

Sequence 47, Application US/10151882
; Publication No. US20030059862A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.

RESULT 7
US-10-115-192-8

Sequence 8, Application US/10115192
; Publication No. US20030082175A1
; GENERAL INFORMATION:
; APPLICANT: Apotech R & D S.A.

Qy 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60
Db 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60

Qy 61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120
61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120

Db 121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180
121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180

Qy 181 ISAR 184
181 ISAR 184

RESULT 8
US-10-115-192-8

Sequence 9, Application US/10115192
; Publication No. US20030082175A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.

Qy 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60
Db 1 MLQAGAGCSQNEYFDLSLHACIPCQLRSSNTPLTCQRYCNASVINSVKGTNAILWTCL 60

Qy 61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120
61 GLSLISLISLAVFLMFLRKISSEPLKDEFRKTGSGLGMANIDLEKSRTGDBILLPRGLE 120

Db 121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180
121 YTVEECTCEDIKSXPVDSHCPFLPAMEGATIVTTKNDYCKSLPALSATEIEKS 180

Qy 181 ISAR 184
181 ISAR 184

RESULT 9
US-10-151-882-47

Sequence 47, Application US/10151882
; Publication No. US20030059862A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.

RESULT 8
 US-10-008-053-7 Application US/10008063
 ; Sequence 7, Application US/10008063
 ; Publication No. US20030021641
 ; GENERAL INFORMATION:
 ; APPLICANT: Gross, Jane A.
 ; APPLICANT: Henne, Randal M.
 ; APPLICANT: Grant, Francis B. J.
 ; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
 ; FILE REFERENCE: 00-103
 ; CURRENT APPLICATION NUMBER: US/10/008, 063
 ; CURRENT FILING DATE: 2001-11-05
 ; NUMBER OF SEQ ID NOS: 45
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO: 7
 ; LENGTH: 184
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-008-053-7

Query Match 100.0%; Score 964; DB 9; Length 184;
 Best Local Similarity 100.0%; Pred. No. 6.3e-89; Mismatches 0; Indels 0; Gaps 0;
 Matches 184; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

Qy 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60
 Db 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60

RESULT 9
 US-10-152-363A-27
 ; Sequence 27, Application US/10152363A
 ; Publication No. US2003003986A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rixon, Mark W.
 ; APPLICANT: Gross, Jane A.
 ; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
 ; FILE REFERENCE: 01-20
 ; CURRENT APPLICATION NUMBER: US/10/152, 363A
 ; CURRENT FILING DATE: 2002-05-20
 ; PRIORITY NUMBER: 60/293, 343
 ; PRIORITY FILING DATE: 2001-05-24
 ; NUMBER OF SEQ ID NOS: 70
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO: 27
 ; LENGTH: 184
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-152-363A-27

Query Match 100.0%; Score 964; DB 9; Length 184;
 Best Local Similarity 100.0%; Pred. No. 6.3e-89; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60
 Db 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60

RESULT 10
 US-09-854-864-5
 ; Sequence 5, Application US/09854864
 ; Patent No. US20020081296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: YU, GANG
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, FILE REFERENCE: A-686B
 ; CURRENT APPLICATION NUMBER: US/09/854, 864
 ; PRIORITY NUMBER: US/09/854, 864
 ; PRIORITY FILING DATE: 2000-09-11
 ; PRIORITY NUMBER: US 60/204, 039
 ; PRIORITY FILING DATE: 2000-05-12
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 5
 ; LENGTH: 181
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-854-864-5

Query Match 98.5%; Score 950; DB 10; Length 181;
 Best Local Similarity 100.0%; Pred. No. 1.6e-87; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAGQCSQNEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCLGLS 63
 Db 1 MAGQCSQNEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCLGLS 60

RESULT 11
 US-09-854-864-11
 ; Sequence 11, Application US/09854864
 ; Patent No. US20020081296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: THEILL, LARS EYDE
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, FILE REFERENCE: A-686B
 ; CURRENT APPLICATION NUMBER: US/09/854, 864
 ; PRIORITY NUMBER: US 60/204, 039
 ; PRIORITY FILING DATE: 2000-09-11
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 11
 ; LENGTH: 181
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-854-864-11

Query Match 98.5%; Score 950; DB 10; Length 181;
 Best Local Similarity 100.0%; Pred. No. 1.6e-87; Mismatches 0; Indels 0; Gaps 0;

Qy 124 ECTCEDCIKSKPKVDSDHCFLPPLAMEGATIVTTKNDYCKSLPAALSATEIKA 183
 Db 121 ECTCEDCIKSKPKVDSDHCFLPPLAMEGATIVTTKNDYCKSLPAALSATEIKA 180

Qy 184 R 184
 Db 181 R 181

RESULT 12
 US-09-854-864-11
 ; Sequence 11, Application US/09854864
 ; Patent No. US20020081296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: THEILL, LARS EYDE
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, FILE REFERENCE: A-686B
 ; CURRENT APPLICATION NUMBER: US/09/854, 864
 ; PRIORITY NUMBER: US 60/204, 039
 ; PRIORITY FILING DATE: 2000-09-11
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 11
 ; LENGTH: 181
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-854-864-11

Query Match 100.0%; Score 964; DB 9; Length 184;
 Best Local Similarity 100.0%; Pred. No. 6.3e-89; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60
 Db 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60

RESULT 13
 US-09-854-864-11
 ; Sequence 11, Application US/09854864
 ; Patent No. US20020081296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: THEILL, LARS EYDE
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, FILE REFERENCE: A-686B
 ; CURRENT APPLICATION NUMBER: US/09/854, 864
 ; PRIORITY NUMBER: US 60/204, 039
 ; PRIORITY FILING DATE: 2000-09-11
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 11
 ; LENGTH: 181
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-854-864-11

Query Match 100.0%; Score 964; DB 9; Length 184;
 Best Local Similarity 100.0%; Pred. No. 6.3e-89; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60
 Db 1 MLQAGCQSONEYFDSSLHACIPQCRSSNTPLTCORYCNASVTSVKGNTNAILWTCL 60

FILE REFERENCE: A-686B
; CURRENT APPLICATION NUMBER: US/09/854,864
; CURRENT FILING DATE: 2001-09-11
; PRIORITY APPLICATION NUMBER: US 60/204,039
; PRIORITY FILING DATE: 2000-05-12
; PRIORITY APPLICATION NUMBER: US 60/214,591
; PRIORITY FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Murine
; US-09-854-864-11

Query Match 59.3%; Score 572; DB 10; Length 185;
Best Local Similarity 62.6%; Pred. No. 1.2e-49; Mismatches 117; Conservative 21; Indels 8; Gaps 4; Matches 41

Y 4 MAGQCSONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLS 63
Db 1 MQQCPFSEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLS 63
Qy 64 L1SLAVFLVLMFLRLRKISSEPLKDEPKN---TGSGLGMANIDLEKSRTGDEIILPRL 119
Db 59 L1VSLALFTISFLRLRKISSEPLKDEPKN---TGSGLGMANIDLEKSRTGDEIILPRL 119
Qy 120 EYVEEECTCPCIKSKKVDSPHCFPLPAMEGATIVTNTKNDYCK-SLPLA-SATEI 177
Db 119 EYVEEECTCPCIKSKKVDSPHCFPLPAMEGATIVTNTKNDYCK-SLPLA-SATEI 177
Qy 178 EKSISAR 184
Db 179 EKPTHTR 185

RESULT 12

US-09-854-864-21
; Sequence 21, Application US/09854864
; Patent No. US20020081296A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS EYDE
; INVENTOR: YU, GANG
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
; CURRENT APPLICATION NUMBER: US/09/854,864
; PRIORITY FILING DATE: 2000-05-12
; PRIORITY APPLICATION NUMBER: US 60/214,591
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Homo sapiens

Query Match 33.5%; Score 323; DB 10; Length 58;
Best Local Similarity 100.0%; Pred. No. 2.6e-25; Mismatches 58; Conservative 0; Indels 0; Gaps 0; Matches 58

Y 8 CSONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLSI 65
Db 1 CSONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLSI 65

RESULT 13
US-09-854-864-12
; Sequence 12, Application US/09854864
; Patent No. US20020081296A1

Query Match 32.3%; Score 311.5; DB 10; Length 117;
Best Local Similarity 61.5%; Pred. No. 8.8e-24; Mismatches 96; Conservative 4; Indels 49; Gaps 19; Matches 96

Y 9 SONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLSI 68
Db 2 AQCEYFPLSLHLAC-PC-LRCS---PFTCQ-YC--SMT-SVKG---LW-LGL---LSL 43
Qy 69 AVFVFLMFLRLRKISSEPLKDEPKN-TGSGLGMANIDLEKSRTGDEIILPRL 128
Db 44 A---FLRLK---EIKDE---GSAL-----RGD---IPR-LAYVEEETC 76
Qy 129 EDCIKSPKVVDSDHCFLPAMEGATIVTNTKNDY 164
Db 77 EDC-KSRPK-DSDH-FPLPAMEGATIVTNTKNDY 108

RESULT 14

US-10-115-192-12
; Sequence 12, Application US/10115192
; Publication No. US20030082175A1
; GENERAL INFORMATION:
; APPLICANT: Apotech R & D S.A.
; INVENTOR: Biogen, Inc.
; TITLE OF INVENTION: April Receptor (BCMA) and Uses Thereof
; FILE REFERENCE: A083PCT
; CURRENT APPLICATION NUMBER: US/10/115,192
; CURRENT FILING DATE: 2002-04-02
; PRIORITY FILING DATE: 2000-06-30
; PRIORITY APPLICATION NUMBER: 60/181807
; PRIORITY FILING DATE: 2000-02-11
; PRIORITY APPLICATION NUMBER: 60/157933
; PRIORITY FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 302
; TYPE: PRT
; ORGANISM: homo sapiens

US-10-115-192-12
; Query Match 29.7%; Score 286.5; DB 9; Length 302;
; Best Local Similarity 39.9%; Pred. No. 9.3e-21; Mismatches 81; Conservative 13; Indels 55; Gaps 8; Matches 81

Y 1 MIQMASGCSONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLSI 60
Db 24 MLQMASGCSONEYFPLSLHLACIPCOLRCSSNTPLTCQRCYCNASVNSVKGNTNAILWTCIGLSI 60
Qy 61 GLSLIISLAVFLVLMFLRLRKISSEPLKDEPKN-TGSGLGMANIDLEKSRTGDEIILPRL 120
Db 82 -----PPC-----PAPELGGPSVFLPPPKDOLIMSRTP 113

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RESULT 15
US-09-854-864-9
; Sequence 9, Application US/09854864
; Patent No. US20020091296A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS BYDE
; APPLICANT: YU, GANG
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
; FILE REFERENCE: A-686B
; CURRENT APPLICATION NUMBER: US/09/854,864
; CURRENT FILING DATE: 2001-09-11
; PRIORITY APPLICATION NUMBER: US 60/204,039
; PRIORITY FILING DATE: 2000-05-12
; PRIORITY APPLICATION NUMBER: US 60/214,591
; PRIORITY FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 9
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-854-864-9

Query Match Score 29.7%; Score 286; DB 10; Length 283;
Best Local Similarity 37.6%; Prod. No. 9.7e-21;
Matches 80; Conservative 12; Mismatches 47; Indels 74; Gaps 7;
Ov 4 MAGQCSONBYFDSLHACIPIPQLCRSSNTPPLTCORYCNASVNVKGNTNAILWTCGLS 63
Db 1 MAGQCSONBYFDSLHACIPIPQLCRSSNTPPLTCORYCNASVNVKGNTA----- 51
Ov 64 LITSLAVFVLMFLURKISSEPLKDFKNGSG-----LIGMANIDLEKSRTG 110
Db 52 -----CGGGGDKHTCTCPCPAPBLGGPSVFLFPKPK 84
Ov 111 DEILPRLGLEYTVECTCDBCIKSKPKVDS-----HCFPLPAMEE-----GATIL 156
Db 85 DTMISRPEVT-----CVVVDVSHEDPEVKNWYDGVEVHNAKTKPREQNSTYRVVSV 141
Ov 157 VTTKINDY-----CKSLPAALSATEKTSIS 182
Db 142 LTVLHQDWLNGKEYKCKVSNKALPA-PIEKTIS 173

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Search completed: June 23, 2003, 08:54:12
 Job time : 52.9851 secs